ARUNMADHAVAN EVR

WEB3.0 | AI-ML ENTHUSIAST | EDUCATOR

SKILLS

- MACHINE LEARNING
- SOLIDITY
- PYTHON
- DJANGO

EDUCATION

BACHELOR OF TECHNOLOGY IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Kumaraguru College of Technology

2020 - 2024

DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING

PSG POLYTECHNIC COLLEGE

2019- 2021

SECONDARY SCHOOL

National Model matriculation hr.sec. school

2016 - 2018

PROFILE

Highly motivated and dedicated beginner in the web3 industry with a solid foundation in web development, specializing in Solidity and Python. Passionate about leveraging blockchain technology to revolutionize industries and drive innovation. Proficient in creating smart contracts, developing decentralized applications, and implementing blockchain solutions. Actively seeking opportunities to expand my knowledge, collaborate with industry experts, and contribute to the advancement of the web3 ecosystem. Committed to staying updated with the latest developments, attending industry conferences, and actively participating in online communities.

EXPERIENCE

INNOVATION ENGINEER

Forge Innovation & Ventures

Jan 2023 - Present · 4 mos

We work as a team with students from different engineering/technical/science streams, towards designing, developing, and testing an innovative tech-enabled solution to solve a real-world problem (the Minimum Usable Prototype to test the technical feasibility and commercial viability of the product innovation) sponsored by the industry, government, or social sector.

Skills: Product Design · Research and Development (R&D)

SENIOR INSTRUCTOR

Alan-Thilak Karate School International

2004 -present

I'm an active Karate Ka (Fighter) and Instructor in Alan-Thilak Karate School International. I manage a team of 8 Black Belts and I handle around 350 students in my private classes. I'm a certified Coach and Judge in Tournaments. I'll handle the parents in my branches and tournaments,

Skills: Team Management · Leadership · Communication

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P R O J E C T S

BITCOIN PRICE PREDICTOR USING SVM AND TIME SERIES ANALYSER

The "Bitcoin Price Predictor using SVM and Time Series Analyser" project aims to forecast the price of Bitcoin by analyzing sentiment from Twitter data and historical price patterns. It collects tweets using SNSCRAPE and performs sentiment analysis using NLTK. Historical price data is gathered using PANDAS, and a deep learning model incorporating SVM and time series analysis is built. The model uses sentiment analysis and historical price data to predict future Bitcoin prices. This project combines sentiment analysis, historical data, and deep learning to provide insights for making informed decisions in the cryptocurrency market.

MEDICAL INVENTORY MANAGEMENT SYSTEM

The inventory will include drugs, equipment, and other prerequisites that healthcare would require.It may need abilities that medical teams might not always have.So, managing the inventories can be a challenge . It will be tiresome and challenging to keep track of inventory items with regard to the drugs in the store, shelf life, potency of drugs available based on the sections and their mechanisms, and equipment required.Software technologies is only used by larger hospitals and medical chains to manage their stockpiles.Our solution for tracking the medicines and the equipment in the inventory is by using NFC .Near field communication (NFC) tags are one of the new tools that could potentially replace QR codes. Unlike QR codes, NFC tags do not require an extra application. The NFC chip technology already comes built into the majority of modern smartphones, which is a huge advantage. If a smartphone has NFC enabled, all someone has to do is touch or tap their smartphone against the NFC tag for the desired action to take place.This makes it a lot more convenient to use than QR technology as they are more secure,flexible & reliable

ULTRASOUND NERVE SEGMENTATION USING DEEP LEARNING FRAMEWORKS

An ultrasound image of the nerve-containing region is acquired to identify the nerve structures. However, even for subject-matter experts, accurately identifying the structures is difficult since echo disturbances and speckle noise diminish the quality of the ultrasound image.The user only needs to provide the ultrasound image of the target area, and a deep learning model will segment the nerve visible in the image using the technique of image segmentation, which is a further step of object detection, thus the development of systems for the automatic segmentation of nerve structures can aid the specialist for locating nerve structures accurately.

OBJECT DETECTION - AUTONOMOUS DRIVING

The YOLOv8 algorithm used would identify the types or different classes of vechicles such as bus, car, truck and train with the accuracy percentage and label on top.YOLOV8 is designed to be fast, accurate and serves to be the excellent choice for wide range of object detection, image classification and segmentation tasks. It uses combination of anchor boxes and feature pyramids to detect objects of different sizes and scales. It further uses spatial pyramid pooling to capture features that improvises the detection performance.Deep SORT is a powerful algorithm that can be used to track objects across multiple frames of a video. By combining object detection and object tracking, it allows for accurate tracking of objects even in complex and cluttered scenes. Deep SORT can be used with a wide range of object detection algorithms and can be customized to suit specific tracking tasks

CERTIFICATIONS

Ethereum Fundamentals

Blockchain Foundation Program

Wind Energy - DTU - Technical University of Denmark

Python - HackerRank

Electric Power Systems - The State University of New York

SOFTWARES

PERSONAL INTERESTS

RESEARCH PAPER

- A NOVEL GRU FRAMEWORK FOR SENTIMENTAL ANALYSIS AND MULTILAYER WEBSCRAPPING
- IMPLEMENTATION OF SMART BETA ALGORITHM IN STOCK MARKET
- ULTRASOUND NERVE SEGMENTATION USING DEEP LEARNING FRAMEWORKS

DECLARATION

I ARUNMADHAVAN EVR, hereby declare that the given information is correct according to my knowledge

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SIGNATURE